

ABSTRACT

A method of tunable wavelength filtering without requiring mechanical motion is provided. The method comprises receiving a light beam of wavelength within a range of wavelengths, dispersing the light beam at a wavelength-dependent angle, and propagating the light beam through an electro-optic device including an electrically-variable refractive index electro-optic element. The method further comprises applying a control voltage to the electro-optic device, causing tunable wavelength filtering dependent on the control voltage.